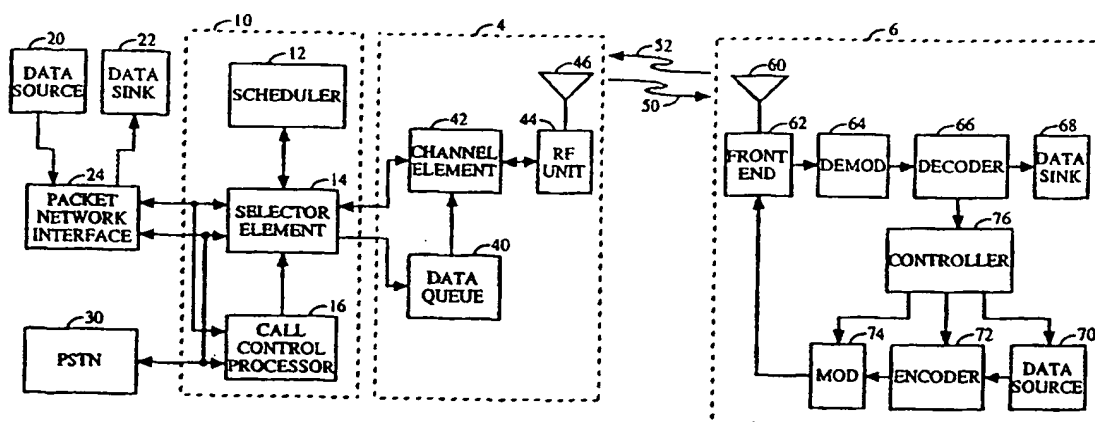




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(21) International Application Number: PCT/US98/19334 (22) International Filing Date: 16 September 1998 (16.09.98) (30) Priority Data: 08/931,535 16 September 1997 (16.09.97) US (71) Applicant: QUALCOMM INCORPORATED [US/US]; 6455 Lusk Boulevard, San Diego, CA 92121 (US). (72) Inventors: REZAIIFAR, Ramin; 7580 Charnant Drive #2224, San Diego, CA 92121 (US). JOU, Yu-Cheun; 9979 Riverhead Drive, San Diego, CA 92129 (US). TIEDEMANN, Edward, G., Jr.; 4350 Bromfield Avenue, San Diego, CA 92122 (US). (74) Agents: MILLER, Russell, B. et al.; Qualcomm Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 14 May 1999 (14.05.99)	

(54) Title: CHANNEL STRUCTURE FOR COMMUNICATION SYSTEMS



(57) Abstract

In a channel structure for use in communication systems, two sets of physical channels, one for the forward link (50) and another for the reverse link (52), are utilized to facilitate communication of a variety of logical channels. The physical channels comprise data and control channels. In the exemplary embodiment, the data channels comprise fundamental channels which are used to transmit voice traffic, data traffic, high speed data, and other overhead information and supplemental channels which are used to transmit high speed data. The fundamental channels can be released when the remote stations are idle to more fully utilize the available capacity. The control channels are used to transmit paging and control messages and scheduling information.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/19334

A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04Q H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 96 27959 A (NOKIA TELECOMMUNICATIONS OY ;RAESAENEN JUHA (FI)) 12 September 1996 see abstract see page 1, line 22 - page 2, line 20 see page 13, line 17 - line 34 see claim 1	1,2,7,8, 11,12, 15,36, 37,39-41
Y	US 5 267 261 A (BLAKENEY II ROBERT D ET AL) 30 November 1993 see column 6, line 35 - column 7, line 12 see claim 1; figure 3 --- -/--	1,2,7,8, 11,12, 15,36, 37,39-41

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>E. ZEHAVI AND E. TIEDEMANN: "The PCS CDMA system overview" IEEE INTERNATIONAL CONFERENCE ON UNIVERSAL PERSONAL COMMUNICATIONS, 27 September 1994 - 1 October 1994, pages 83-88, XP002096111 San Diego, CA, USA see page 83, right-hand column, line 16 - page 84, left-hand column, line 27 see page 85, right-hand column, line 12 - line 39</p> <p>-----</p>	1-41

INTERNATIONAL SEARCH REPORT

information on patent family members

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